

BCA-01/DCA-101

December - Examination 2019

BCA Pt. I/DCA Examination**Introduction to Computer Science****Paper - BCA-01/DCA-101****Time : 3 Hours]****[Max. Marks :- 70**

Note: The question paper is divided into three sections A, B and C. Write answers as per given instructions.

Section - A**7 × 2 = 14****(Very Short Answer Questions)**

Note: Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum upto 30 words. Each question carries 2 marks.

1.
 - i. What is the name of directory at the top of UNIX file system?
 - ii. DOS is a _____ (CUI/GUI) based operating system.
 - iii. What is the role of taskbar in WINDOWS operating system?
 - iv. Explain the term 'integrity' with respect to security.
 - v. Explain the terms 'plain text' and 'cipher text'.
 - vi. Specify at least one advantage of using MIS.
 - vii. Give one example of e-commerce website.

Section - B**4 × 7 = 28****(Short Answer Questions)**

Note: Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 7 marks.

2. i. Explain some advantages of computers. (4)
- ii. Differentiate between impact and non-impact printer, giving suitable example of each. (3)
3. i. What is fragmentation problem? How can it be solved? (3)
- ii. Write short note on Batch operating system and Distributed operating system. (4)
4. i. What is the importance of Unicode? (3)
- ii. Explain various stages of process and transition among those stages, with suitable diagram. (4)
5. i. Explain following DOS commands with suitable example (4)
 - a. cls
 - b. dir
- ii. Explain the utility of Network Neighborhood component of Windows operating system. (3)
6. i. Write short note on Pulse Code Modulation. (3)
- ii. Write short note on following: - (4)
 - a. World Wide Web
 - b. ISP
7. i. Explain in brief about Antivirus Softwares. (3)
- ii. What is the utility of Cryptography? (4)
8. Explain the structure of MIS in detail. (7)
9. What are advantages of E-Commerce system? (7)

Section - C**2 × 14 = 28****(Long Answer Questions)**

Note: Answer **any two** questions. You have to delimit your each answer maximum upto 500 words. Each question carries 14 marks.

10. i. Explain various generations of computers, specifying the technology used in each generation. (5)
- ii. Explain in brief about following input/output devices. (6)
 - a. Keyboard
 - b. OMR
 - c. Barcode Reader
 - d. OCR
 - e. Plotter
 - f. Mouse
- iii. Explain at least three basic terms related to memory management. (3)
11. i. Explain about following storage types (6)
 - a. Semiconductor
 - b. Magnetic
 - c. optical
- ii. Compare hard real time operating system and soft real time operating system. (5)
- iii. Which DOS command can be used to delete file, instead of del command? Write the syntax of using that command. (3)
12. i. Compare UNICODE and ASCII codes. (6)
- ii. Explain any two features of Windows operating system. (4)
- iii. Explain how Firewalls are used to enhance security. (4)
13. i. Compare three modes of communication, giving suitable example for each of them. (6)
- ii. Compare MAN and WAN with suitable example. (5)
- iii. Write in brief about Digital Signature. (3)